RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/591,791

Source: 1FWP

Date Processed by STIC: 9/13/06

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 09/13/2006
PATENT APPLICATION: US/10/591,791   TIME: 10:55:07

Input Set : **A:\DECLE59-13-US.txt**
Output Set: **N:\CRF4\09132006\J591791.raw**

```
   3 <110> APPLICANT: Gala, Jean-Luc
   4        Irenge, Leonid
   7 <120> TITLE OF INVENTION: Assay for detecting and identifying micro-organisms
   9 <130> FILE REFERENCE: DECLE59.013APC
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/591,791
C--> 12 <141> CURRENT FILING DATE: 2006-09-06
  14 <150> PRIOR APPLICATION NUMBER: BE 2004/0152
  15 <151> PRIOR FILING DATE: 2004-03-19
  17 <160> NUMBER OF SEQ ID NOS: 479
  19 <170> SOFTWARE: PatentIn version 3.3
  21 <210> SEQ ID NO: 1
  22 <211> LENGTH: 597
  23 <212> TYPE: DNA
  24 <213> ORGANISM: Enterococcus Faecalis
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  29 cttcctctaa tccagtagct ggtggcgtaa ctatcggtag tggcgttggt ccatcaaaaa   120
  31 ttaataaagt ggttggtgtc tgcaaagcgt acacttcacg tgtcggtgac ggcccattcc   180
  33 caacagaatt atttgatgaa acaggagaaa ccattcgtcg tgtcggtaaa gaatacggaa   240
  35 caacaacagg acgtccgcgt cgtgtcggtt ggtttgattc agtagtcatg cgtcattcaa   300
  37 aacgtgtatc agggattaca aacttgtcat taaactcgat tgacgtgtta agtggtttag   360
  39 aaacggtgaa aatttgtaca gcttatgaac ttgatggtga attaatttat cattatccag   420
  41 caagcttgaa agaattaagc cgctgtaaac cagtttatga agaattacca ggttggtctg   480
  43 aagatatcac tggttgcaaa actttagccg atttaccagc taatgctcgt aactatgtgc   540
  45 atcggatttc agaattagtt ggtgtgcgca tttcaacatt ctcagtaggg ccagacc      597
  48 <210> SEQ ID NO: 2
  49 <211> LENGTH: 597
  50 <212> TYPE: DNA
  51 <213> ORGANISM: Enterococcus gallinarum
  53 <400> SEQUENCE: 2
  54 ctcttcgagg tgcgcaagga gttatgctag atattgatca aggaacatat ccgttcgtaa    60
  56 catcctcaaa tccagtagct ggtggagtaa ccattggtag tggagtgggt ccttctaaaa   120
  58 tcaataaagt agttggtgtt tgtaaagcat atacttcaag agttggtgac ggcccattcc   180
  60 caacagaact ttttgatgaa acaggcaatc aaattcgtga agttggccgt gaatatggta   240
  62 cgacaactgg tcgtccacgt cgtgttggtt ggtttgactc tgttgtcatg cgtcattcaa   300
  64 aacgtgtttc tggtatcacg aatctgtctt taaattcaat tgatgttttg agcggcttgg   360
  66 aaactgtaaa aatttgtact gcttatgaat tagatggaga attgatttat cattatcctg   420
  68 caagtctaaa agaattgaat cgttgtaaac cagtctatga agagttacca ggctggtcag   480
  70 aagatattac tggatgcaaa acattagctg atcttcctga aaatgcacgt aactatgtac   540
  72 atcgtatctc tgaattagtt ggggttcgta tctcaacatt ctcagtaggt cctgacc      597
  75 <210> SEQ ID NO: 3
  76 <211> LENGTH: 598
  77 <212> TYPE: DNA
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Input Set : A:\DECLE59-13-US.txt
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     78 <213> ORGANISM: Enterococcus flavescens
     81 <220> FEATURE:
     82 <221> NAME/KEY: misc_feature
     83 <222> LOCATION: (594)..(594)
     84 <223> OTHER INFORMATION: n is a, c, g, or t
     86 <400> SEQUENCE: 3
     87 cttttttgaag gtgctcaagg cgtgatgctg gatatcgacc aaggaaccta tcctttcgtg      60
     89 acatcatcca accccgttgc tgggggagtc actattggta gtggtgtggg tccttcaaaa     120
     91 atcaacaaag tcgttggtgt ctgcaaagct tacacctctc gggtaggaga tggtcctttc     180
     93 ccaacggaac tgtttgatga aacaggtgaa caaatccgta agatcggtcg tgaatacgga     240
     95 acaacgacag gacgtcctcg ccgtgtgggc tggtttgata ccgtcgtgat gcgccattca     300
     97 aaacgtgttt cagggattac aaacctatcc cttaactcga tcgatgtctt gagcggctta     360
     99 gaaaccgtga agatctgtac ggcttatgaa ctagacggcg aattgatcta tcattaccca     420
    101 gcaagcttga aagagttgaa ccgctgcaaa ccagtctacg aagaacttcc tggctggtct     480
    103 gaagacatta ctggctgcaa aacattagca gatctgccag aaaatgcacg caattacgtt     540
W--> 105 caccgcatct ctgaattagt cggtgtccgc atttcgacct tctcagtagg gccngacc       598
    108 <210> SEQ ID NO: 4
    109 <211> LENGTH: 598
    110 <212> TYPE: DNA
    111 <213> ORGANISM: Streptococcus agalactiae
    114 <220> FEATURE:
    115 <221> NAME/KEY: misc_feature
    116 <222> LOCATION: (581)..(581)
    117 <223> OTHER INFORMATION: n is a, c, g, or t
    119 <220> FEATURE:
    120 <221> NAME/KEY: misc_feature
    121 <222> LOCATION: (591)..(591)
    122 <223> OTHER INFORMATION: n is a, c, g, or t
    124 <400> SEQUENCE: 4
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    127 catcttccaa tccagtagca ggtggtgtca caattggttc gggagttgga ccaagtaaaa     120
    129 ttaataaagt agtaggtgta tgtaaagctt acactagccg tgttggtgat ggaccattcc     180
    131 caacagaact ttttgatgag gttggtgacc gtattcgtga gattggtaaa gagtatggta     240
    133 caacgaccgg tcgtcctcgt cgcgttggat ggtttgattc tgttgttatg cgtcacagcc     300
    135 gtcgagtatc aggtattact aacctctctc tgaattcaat tgatgttctt tcagggcttg     360
    137 atacggtgaa aatttgtgtg gcttatgacc ttgatgggaa acgtattgac tattacccag     420
    139 caagccttga acagctaaaa cgttgtaaac caatctatga agaattaccg ggctggtctg     480
    141 aagatattac agcttgtcgt agcttagatg atcttccaga aaatgcacgt aattacgttc     540
W--> 143 gccgtgttgg cgaattggtt ggtgttcgta tttctacttt nctcagtagg nccaggtc       598
    146 <210> SEQ ID NO: 5
    147 <211> LENGTH: 599
    148 <212> TYPE: DNA
    149 <213> ORGANISM: Streptococcus sanguis
    151 <400> SEQUENCE: 5
    152 cttttttgaag gggctcaagg agttatgctc gacattgatc aaggaacata cccatttgta      60
    154 acatcttcca atccagtagc aggtggtgtc acaattggtt cgggagttgg accaagtaaa     120
    156 attaataaag tagtaggtgt atgtaaagct tacactagcc gtgttggtga tggaccattc     180
    158 ccaacagaac ttttttgatga ggttggtgac cgtattcgtg agattggtaa agagtatggt     240
    160 acaacgaccg gtcgtcctcg tcgcgttgga tggtttgatt ctgttgttat gcgtcacagc     300
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Input Set : **A:\DECLE59-13-US.txt**
Output Set: **N:\CRF4\09132006\J591791.raw**

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162 cgtcgagtat caggtattac taacctctct ctgaattcaa ttgatgttct ttcagggctt   360
164 gatacggtga aaatttgtgt ggcttatgac cttgatggga aacgtattga ctattaccca   420
166 gcaagccttg aacagctaaa acgttgtaaa ccaatctatg aagaattacc gggctggtct   480
168 gaagatatta cagcttgtcg tagcttagat gatcttccag aaaatgcacg taattacgtt   540
170 cgccgtgttg gcgaattggt tggtgttcgt atttctactt tctcagttgg gtccagacc    599
173 <210> SEQ ID NO: 6
174 <211> LENGTH: 598
175 <212> TYPE: DNA
176 <213> ORGANISM: Enterococcus faecium
179 <220> FEATURE:
180 <221> NAME/KEY: misc_feature
181 <222> LOCATION: (581)..(581)
182 <223> OTHER INFORMATION: n is a, c, g, or t
184 <400> SEQUENCE: 6
185 ttcttcgaag gggcgcaagg ggttatgctg gatattgacc aagggactta tccatttgta    60
187 acttcttcta atccagttgc aggggagtca ccatcggttc cggtgttggt ccgagcaaaa   120
189 ttgacaaggt agttggtgtc tgcaaggcct acaccagtcg ggtcggagat ggaccattcc   180
191 caacagagct ttttgatgaa gttggtgacc gcattcgtga tatcggccac gaatatggca   240
193 ctaccactgg tcgcccacgt cgggtaggtt ggtttgactc ggttgttatg cgccatagcc   300
195 gccgtgtatc agggattacc aatctttcgc ttaactccat cgatgtcttg agtggtctgg   360
197 atacagtgaa aatctgtgta gcttatgact tggatggcca aagaatcgac cactacccag   420
199 ctagtctgga acagctcaag cgctgcaagc cgatttacga agagctgcca ggctggtcag   480
201 aggacatcac tggagtccgc agtctggaag acttgccaga aaatgcccgt aactatgttc   540
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W--> **203 gccgagtgag tgagctggtt ggcgttcgca tttctacctt nctcagtagg gccagacc   598**
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207 <211> LENGTH: 598
208 <212> TYPE: DNA
209 <213> ORGANISM: Enterococcus durans
211 <400> SEQUENCE: 7
212 ctctttgaag gggcacaagg tgtgatgttg gatatcgatc aaggaacgta tccatttgtg    60
214 acttcttcta atccggtagc tggtggtgta acgatcggta gtggcgttgg cccttcaaag   120
216 atcaataaag tcgttggtgt atgtaaagct tatacttctc gtgtaggaga tggcccattc   180
218 ccaacagaac tatttgacga aacaggtcaa caaatccgtg aagtcggtcg tgaatatggt   240
220 acgacaacag gtcgacctcg tcgtgtcggt tggtttgata cagtcgtggt gcgccattca   300
222 aaacgtgtat caggaatcac taacctatca ttgaattcaa tcgatgtatt aagcggacta   360
224 gaaacagtaa aaatctgtac agcgtatgaa ttagatggag aattgatcta tcattaccca   420
226 gcaagcctga aagaattgaa acgttgcaaa ccagtatacg aagaacttcc tggttggtct   480
228 gaagatatta cagcatgtaa aacacttgct gaactaccag aaaacgcccg taactatgtt   540
230 agacgtatct cagagcctgt aggagtccgt atttcaacat tctcagtagg tccagacc    598
233 <210> SEQ ID NO: 8
234 <211> LENGTH: 597
235 <212> TYPE: DNA
236 <213> ORGANISM: Streptococcus pyogenes
238 <400> SEQUENCE: 8
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241 cgtcttcaaa cccagttgct ggtggtgtaa ccattggttc tggtgttggc ccaaataaaa   120
243 tcaacaaagt agttggtgtc tgtaaagcct acacaagccg tgtcggtgat gggccattcc   180
245 ctacagaact ctttgatgaa gtgggtgagc gcattcgtga agtgggtcat gagtacggga   240
247 caacgaccgg ccgtccacgt cgtgtcggtt ggtttgattc ggttgtcatg cgccacagtc   300
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249 gtcgtgtatc aggtattact aacctctctc tgaattcaat tgatgttctt tcagggcttg    360
251 atacggttaa gatttgtgtg gcttatgacc ttgatgggaa acgtattgac tattacccag    420
253 caaaccttga acaactcaaa cgttgcaaac caatctatga agaattacca ggctggcaag    480
255 aggacatcac aggtgttcgt agccttgatg agcttcctga aaatgcccgc aactacgttc    540
257 gtcgtgttgg agaattggtt ggcgttcgca tttcaacctt ctcagttggg ccagacc       597
260 <210> SEQ ID NO: 9
261 <211> LENGTH: 599
262 <212> TYPE: DNA
263 <213> ORGANISM: Streptococcus pneumoniae
265 <400> SEQUENCE: 9
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268 acgtcatcaa accctgtagc tggtggtgtg acaattggtt ctggtgtcgg tccaagcaag    120
270 attgacaagg ttgtaggtgt atgtaaagct tatacgagtc gtgtaggaga tggtcctttc    180
272 ccaactgagt tgtttgatga agtgggagaa cgtatccgtg aagtgggtca tgaatatggt    240
274 acaacaactg gtcgtccacg tcgtgtaggt tggtttgact cagttgtgat gcgtcatagc    300
276 cgtcgtgttt ctggtattac taacctttct ttgaactcta ttgatgtttt gagcggtttg    360
278 gatactgtga aaatctgtgt ggcctatgat cttgacggtc aacgtattga ctactatcca    420
280 gctagtcttg agcaattgaa acgttgcaag cctatctatg aagagttgcc aggttggtca    480
282 gaagatatta ccggagttcg caatttggaa gatcttcctg agaatgcgcg taactatgtt    540
284 cgtcgtgtga gtgaattggt tggcgttcgt atttctactt ttctcagtag gtccaggcc    599
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288 <211> LENGTH: 598
289 <212> TYPE: DNA
290 <213> ORGANISM: Streptococcus oralis
292 <400> SEQUENCE: 10
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297 attgacaagg ttgtaggtgt ctgtaaagcc tacacaagtc gtgtaggaga tggaccgttc    180
299 ccaactgaat tatttgatga agtgggagat cgcatccgtg aagtaggtca tgaatatggt    240
301 acaacaactg gtcgtccacg tcgtgtgggt tggtttgact cagttgtgat gcgtcacagc    300
303 cgccgtgtat ctgggattac caatctttca ttgaactcta tagatgtttt gagtggtttg    360
305 gatactgtga aaatctgtgt cgcctatgat cttgatggtc aacgtattga ttactatcct    420
307 gctagtcttg agcagttgaa acgttgtaag ccaatctacg aggaattgcc aggttggtca    480
309 gaagacatca ctggagtccg taatttggaa gaccttcctg agaatgcacg caactatgtt    540
311 cgtcgtgtaa gcgagttggt tggtgttcgt atctcaactt tctcagttgg gccagatc     598
314 <210> SEQ ID NO: 11
315 <211> LENGTH: 598
316 <212> TYPE: DNA
317 <213> ORGANISM: Staphylococcus hominis
319 <400> SEQUENCE: 11
320 ctctttgaag gagcgcaagg agttatgtta gatatcgacc atggtacata tccttttgta     60
322 acgtcaagta atcctgtggc aggtaatgtg acagtaggaa ctggcgtggg tccaaccttc    120
324 gtatctaaag tgattggggt atgtaaatcc tatacatctc gtgtaggtga cggcccattc    180
326 cctactgaat tattcgacga agatggtcat catattagag aagtaggtcg tgaatatgga    240
328 acgacaacag gacgtcctcg tcgtgtaggt tggttcgact cagttgtatt acgtcactct    300
330 cgtcgtgtaa gtggtattac agacttatct attaactcaa ttgacgtttt aacaggttta    360
332 gatacggtta aaatttgtac agcttatgag ttagatggtg aaacaatcac agaatatcca    420
334 gcaaacttag accaattacg tcgttgtaaa ccaattttcg aagagttacc tggttggacg    480
336 gaagacatta caggttgtcg tacattagaa gaattacctg aaaacgcacg taaatactta    540
```

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Input Set : **A:\DECLE59-13-US.txt**
Output Set: **N:\CRF4\09132006\J591791.raw**

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    338 gaacgtattt ctgaattatg tggcgttcat atttcaatct tctcagtagg tccaggcc      598
    341 <210> SEQ ID NO: 12
    342 <211> LENGTH: 560
    343 <212> TYPE: DNA
    344 <213> ORGANISM: Bacillus anthracis
    347 <220> FEATURE:
    348 <221> NAME/KEY: misc_feature
    349 <222> LOCATION: (7)..(7)
    350 <223> OTHER INFORMATION: n is a, c, g, or t
    352 <400> SEQUENCE: 12
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    355 taacagttgg aactggagtt ggtcctgcga aagttactcg cgttgtaggt gtatgtaaag     120
    357 catatacaag ccgcgttggt gatggtccat tccctactga gcttcatgac gaaattggtc     180
    359 atcaaattcg tgaagttggt cgtgagtatg gaacgacaac tggtcgtcca cgccgcgtag     240
    361 gttggttcga tagcgttgtt gtaagacatg cacgtcgtgt tagtggttta acagatttat     300
    363 cattaaactc tatcgacgtt ctaactggta ttccaacact taaaatttgt gttgcttaca     360
    365 aatgcgatgg gaaagttatc gatgaagttc cagcaaactt aaacatttta gcgaaatgtg     420
    367 agcctgtata cgaagagctt ccaggttgga cagaagatat tactggtgta agatcattag     480
    369 atgagcttcc tgaaaatgca cgaaaatacg tagaacgtgt ttctgagtta acaggaattc     540
    371 aattatctat gttctcagtg                                                 560
    374 <210> SEQ ID NO: 13
    375 <211> LENGTH: 560
    376 <212> TYPE: DNA
    377 <213> ORGANISM: Bacillus anthracis Butare
    379 <400> SEQUENCE: 13
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    382 gtaacagttg aactggagt tggtcctgcg aaagttactc gcgttgtagg tgtatgtaaa     120
    384 gcatatacaa ccgcgttggt tgatggtcca ttccctactg agcttcatga cgaaattggt     180
    386 catcaaattc gtgaagttgg tcgtgagtat ggaacgacaa ctggtcgtcc acgccgcgta     240
    388 ggttggttcg atagcgttgt tgtaagacat gcacgtcgtg ttagtggttt aacagattta     300
    390 tcattaaact ctatcgacgt tctaactggt attccaacac ttaaaatttg tgttgcttac     360
    392 aaatgcgatg ggaaagttat cgatgaagtt ccagcaaact taaacatttt agcgaaatgt     420
    394 gagcctgtat acgaagagct tccaggttgg acagaagata ttactggtgt aagatcatta     480
    396 gatgagcttc ctgaaaatgc acgaaaatac gtagaacgtg tttctgagtt aacaggaatt     540
    398 caattatcta tgttctcgtg                                                 560
    401 <210> SEQ ID NO: 14
    402 <211> LENGTH: 560
    403 <212> TYPE: DNA
    404 <213> ORGANISM: Bacillus anthracis Sterne
    407 <220> FEATURE:
    408 <221> NAME/KEY: misc_feature
    409 <222> LOCATION: (8)..(8)
    410 <223> OTHER INFORMATION: n is a, c, g, or t
    412 <400> SEQUENCE: 14
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    415 gttggaactg gagttggtcc tgcgaaagtt actcgcgttg taggtgtatg taaagcatat     120
    417 acaagccgcg ttggtgatgg tccattccct actgagcttc atgacgaaat tggtcatcaa     180
    419 attcgtgaag ttggtcgtga gtatggaacg acaactggtc gtccacgccg cgtaggttgg     240
    421 ttcgatagcg ttgttgtaag acatgcacgt cgtgttagtg gtttaacaga tttatcatta     300
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/13/2006
PATENT APPLICATION: US/10/591,791   TIME: 10:55:08

Input Set : A:\DECLE59-13-US.txt
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 594
Seq#:4; N Pos. 581,591
Seq#:6; N Pos. 581
Seq#:12; N Pos. 7
Seq#:14; N Pos. 8
Seq#:15; N Pos. 4,552,555,558,560
Seq#:16; N Pos. 4,14,552,553,556
Seq#:17; N Pos. 1,6
Seq#:18; N Pos. 2,4,553
Seq#:19; N Pos. 545
Seq#:21; N Pos. 11
Seq#:25; N Pos. 11
Seq#:27; N Pos. 9
Seq#:28; N Pos. 11,567
Seq#:30; N Pos. 18,565
Seq#:31; N Pos. 570
Seq#:32; N Pos. 557
Seq#:33; N Pos. 2
Seq#:34; N Pos. 547
Seq#:35; N Pos. 4,548
Seq#:36; N Pos. 5
Seq#:37; N Pos. 8,14,473,564,576,577
Seq#:40; N Pos. 542
Seq#:42; N Pos. 2,18,567
Seq#:43; N Pos. 551
Seq#:46; N Pos. 508,569,593,594
Seq#:48; N Pos. 594
Seq#:49; N Pos. 528,530,570
Seq#:50; N Pos. 563,571
Seq#:60; N Pos. 361,484,541,553
Seq#:64; N Pos. 2,5,15,18,26,440,449
Seq#:65; N Pos. 1,14,19,22
Seq#:66; N Pos. 10,11,437,446,447,451
Seq#:67; N Pos. 1,2,4,5,15,23,437,445
Seq#:68; N Pos. 2,3,10,13,437,447,451
Seq#:69; N Pos. 4,5,17,22,25
Seq#:72; N Pos. 436
Seq#:73; N Pos. 423,425,442
Seq#:74; N Pos. 419,431,436,439
Seq#:75; N Pos. 431,438
Seq#:77; N Pos. 436
Seq#:78; N Pos. 1,2,6,438,441
Seq#:79; N Pos. 434,439
Seq#:80; N Pos. 437

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/13/2006
PATENT APPLICATION: US/10/591,791   TIME: 10:55:08

Input Set : A:\DECLE59-13-US.txt
Output Set: N:\CRF4\09132006\J591791.raw

Seq#:82; N Pos. 2,5,6,428,441,444
Seq#:84; N Pos. 2,434,435,437,438,441
Seq#:85; N Pos. 431,437
Seq#:87; N Pos. 2,3,434,446
Seq#:88; N Pos. 2,447,450
Seq#:89; N Pos. 2,7,447
Seq#:91; N Pos. 419,422

VERIFICATION SUMMARY   DATE: 09/13/2006
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Input Set : **A:\DECLE59-13-US.txt**
Output Set: **N:\CRF4\09132006\J591791.raw**

```
L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:540
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:540
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:540
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
M:341 Repeated in SeqNo=15
L:514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
M:341 Repeated in SeqNo=16
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
M:341 Repeated in SeqNo=18
L:646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:540
L:688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
M:341 Repeated in SeqNo=28
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
M:341 Repeated in SeqNo=30
L:1016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:540
L:1049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:540
L:1064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:540
L:1135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
M:341 Repeated in SeqNo=35
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
M:341 Repeated in SeqNo=37
L:1326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:540
L:1378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
M:341 Repeated in SeqNo=42
L:1429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:540
L:1522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:480
M:341 Repeated in SeqNo=46
L:1584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:540
L:1625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:480
M:341 Repeated in SeqNo=49
L:1667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:540
L:1954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:360
M:341 Repeated in SeqNo=60
L:2082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0
M:341 Repeated in SeqNo=64
L:2126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0
L:2170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0
M:341 Repeated in SeqNo=66
```

VERIFICATION SUMMARY   DATE: 09/13/2006
PATENT APPLICATION: **US/10/591,791**   TIME: 10:55:08

Input Set : **A:\DECLE59-13-US.txt**
Output Set: **N:\CRF4\09132006\J591791.raw**

L:2224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0
M:341 Repeated in SeqNo=67
L:2278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0
M:341 Repeated in SeqNo=68